ABB BALDOR RELIANCE

Customer information packet

JMFSWDM3613T-E

5HP, 3500RPM, 3PH, 60HZ, 184JM, 3634M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	184JM
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	11.200 A @ 230.0 V
	12.000 A @ 208.0 V
	5.600 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.6 a
Insulation Class	H

Part Detail

Revision	P
Type	AC
Mech. spec.	36R563
Base	
Status	PRD/A
Elec. spec.	36WGT149
Layout	36LYR563
Eff. date	11-12-2025
CD Diagram	CD0005
Poles	02
Leads	9#16,0#,0#,0# Y
Proprietary	False
Created date	08-18-2017

Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	@ AWG
	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.22 IN
Power Factor	95
Product Family	WD All SS Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3500 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP4427AAA01												
CAT #	JMFSWDM3613T-E			**WT**	81	**LBS**						
SPEC	36R563T149G1			**ENCL**	TEFC							
SER #				**CC**	010A	**IP**	69					
HP	5			**MAG CUR**	3.4/1.7							
VOLTS	230/460					**NEMA NOM. EFF**	89.5					
AMPS	11.2/5.6					**PF**	95					
RATING	40C AMB-CONT											
RPM	3500					**MAX RPM**	5400					
FRAME	184JM	**HZ**	60	**CODE**	L	**CLASS**	H					
SER.F.	1.15	**SF AMP**	12.8/6.4			**PH**	3	**DES**	B			
DE	6207			**ODE**	6206							
LUBRICATION	POLYREX EM											
ID LOGO		**INVERTER TYPE**		**VPWM**		**CHP**	60	**TO**	90		1.5:1	
ID LOGO	**WK2**	0.15	**CT**	15	**TO**	60		4:1				
ID LOGO	**SL HZ**	1.7	**VT**	0-	**TO**	60		1000:1				
						QR						
YR												

Parts List

Part number	Description	Quantity
SA348859	SA 36R563T149G1	1.000 ea
RA337444	RA 36R563T149G1	1.000 ea
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 ea
35CB1017A02	5/36 MID SECT - 3 PC. CONDUIT BOX 3/4 N	1.000 ea
11XW1032G08	10-32 X .50, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
36EP1920A02	FREP TEFC 206 BRG WD11/12 (STAINLESS)	1.000 ea
RM1070A42	O-RING,(#70-7.239) FLOUROELASTOMER COMPO	1.000 ea
HW4600G02	30 X 47 X 8 LIP SEAL, GRAPHITE INFUSED V	1.000 ea
HW4600F25	30 X 48 X 4.5 AFX SEAL, GRAPHITE INFUSED	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	4.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
36EP1926A02	PUEP 182-4C ENCL 207 BRG WD11/12 (STAINL	1.000 ea
RM1070A42	O-RING,(#70-7.239) FLOUROELASTOMER COMPO	1.000 ea
HW4600F35	35 X 52 X 8 LIP SEAL, GRAPHITE INFUSED V	1.000 ea
HW4600F79	35 X 52 X 4.5 AFS SEAL, GRAPHITE INFUSED	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	4.000 ea
RM1070A14	O-RING, -010 VITON/FKM .070CS X .239ID	4.000 ea
11XB1214S16	12-14X1.00 HXWSSLD TYP B STAINLESS	1.000 ea
36FH4007	FAN COVER #304 STAINLESS W/OUT GREASER	1.000 ea
10XN1032FS06	HEX HD CAP SCREW 10-32 X 3/8 SS FOOD SAF	3.000 ea
35CB1513A01	35-36-37 MACH. LID - 3 PC. CONDUIT BOX	1.000 ea
RM1070A81	O-RING, -043 VITON/FKM .070CS X 3.489ID	1.000 ea
HA3424S48	STUD - M6X1.0 THDS X 3.00"	1.000 ea
RM1070A81	O-RING, -043 VITON/FKM .070CS X 3.489ID	1.000 ea
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.005 qt
MJ5004A93	FOOD GRADE (H1 RATED) ANTISEIZE THRD COM	0.005 ea
HA1025A21	WSHR,FELT .125" THK	1.000 ea
HA5027A09	DRAIN KIT,(2)HA4002A03 BAGGED W/LABEL	1.000 ea

MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 ea
HA3101FS42	THRUBOLT, 1/4-20 X 11.500 SS FOOD SAFE	4.000 ea
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000016	ZTRG FE ASSEMBLY	1.000 ea
PE-0000010	ZRTG PE ASSEMBLY	1.000 ea

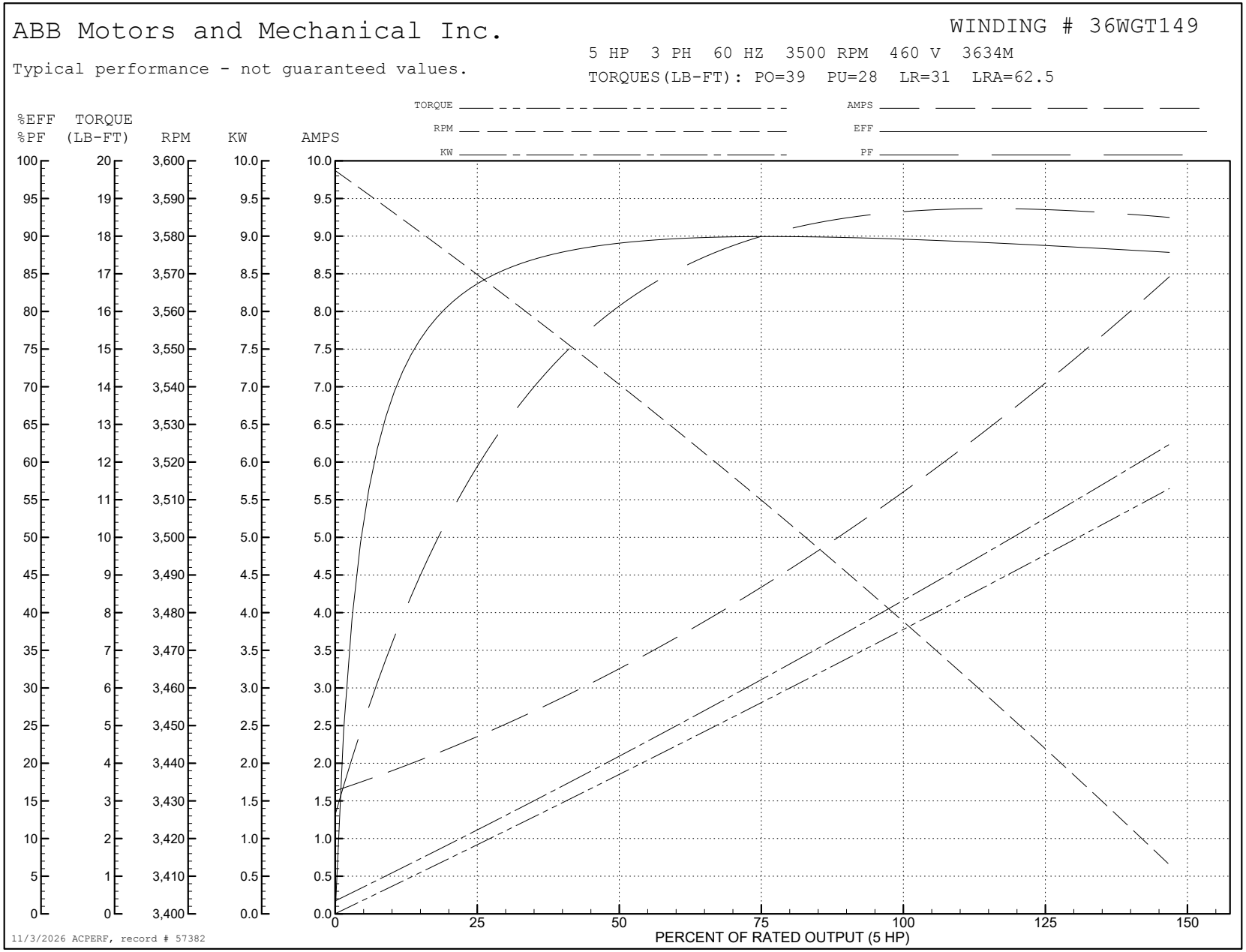
AC Induction Motor Performance Data
Record # 57382
Typical performance - not guaranteed values

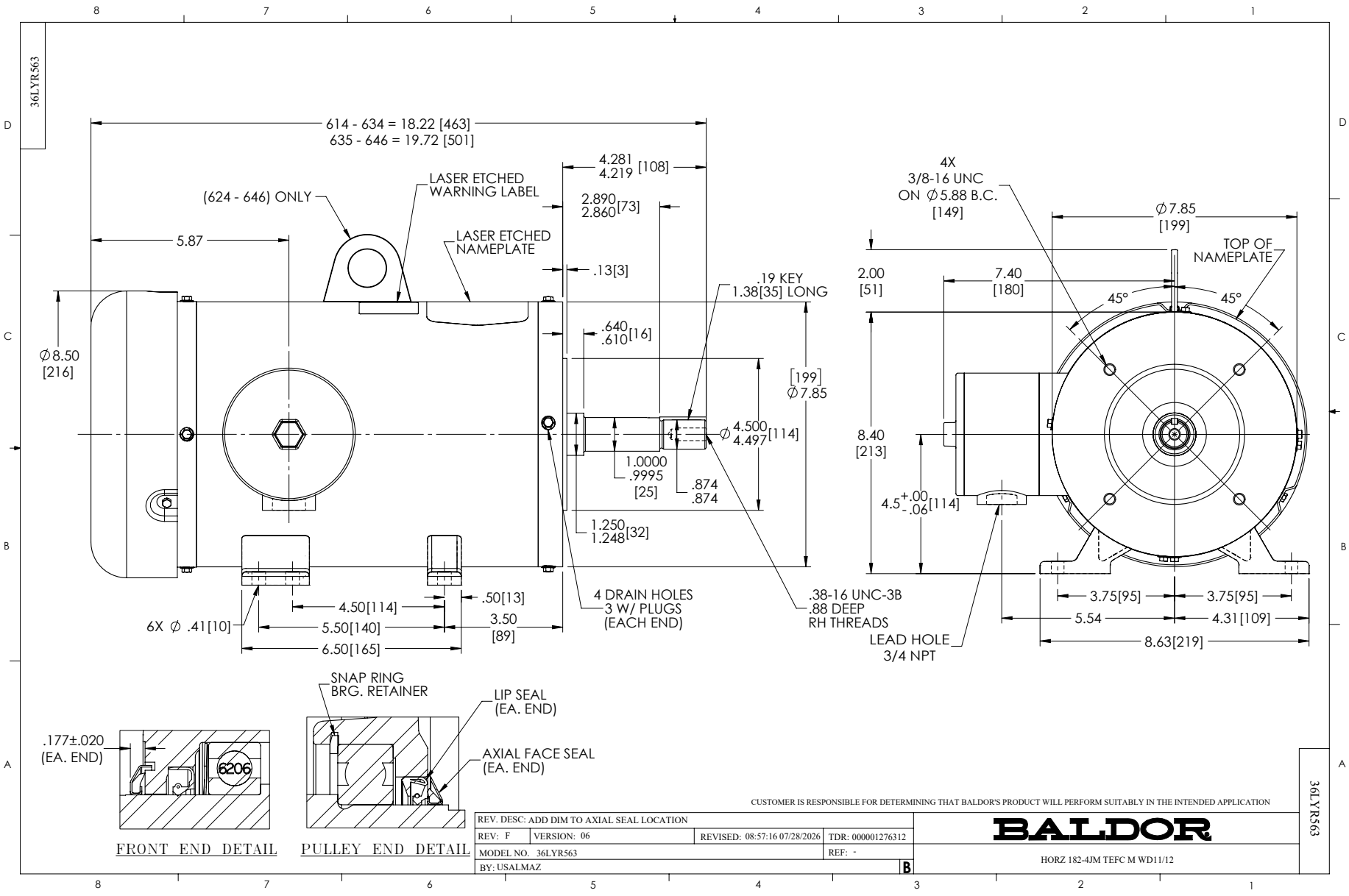
Winding: 36WGT149-R045	**Type:** 3634M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			5	**Full Load Torque**	7.5 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			11.2/5.6	**Breakdown Torque**	39 LB-FT
R.P.M.			3500	**Pull-up Torque**	28 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	31 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	62.5 A
Service Factor (S.F.)			1.15	**No-load Current**	1.7 A
NEMA Nom. Eff.	89.5	**Power Factor**	95	**Line-line Res. @ 25ºC**	2.09 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	86°C
S.F. Amps				**Temp. Rise @ S.F. Load**	102°C
				Locked-rotor Power Factor	44.4
				Rotor inertia	0.152 LB-FT2

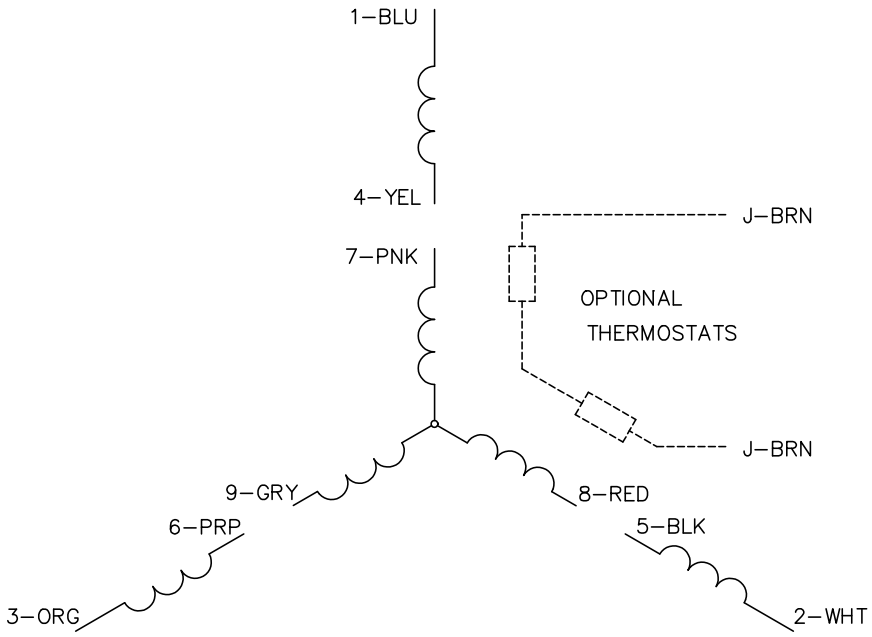
Load Characteristics 460 V, 60 Hz, 5 HP

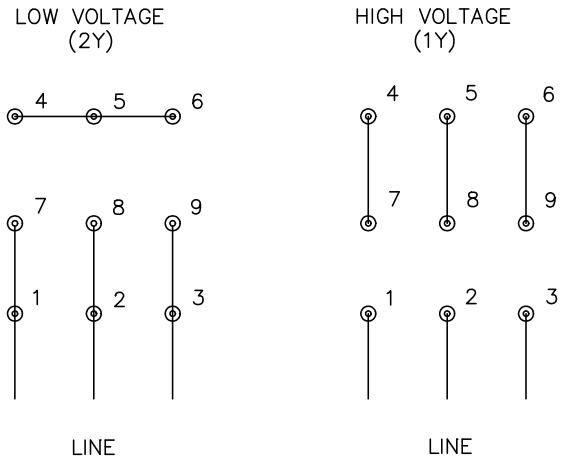
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	62	83	89	93	93	93	93
Efficiency	84.5	89	90	89.6	88.8	87.9	89.1
Speed	3567	3539	3510	3480	3447	3412	3460
Line amperes	2.3	3.2	4.4	5.6	7	8.4	6.44


ABB Motors and Mechanical Inc.
WINDING # 36WGT149
5 HP 3 PH 60 HZ 3500 RPM 460 V 3634M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=39 PU=28 LR=31 LRA=62.5
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
11/3/2026 ACPERF, record # 57382


36LYR563
614 - 634 = 18.22 [463]
635 - 646 = 19.72 [501]
4.281
4.219 [108]
LASER ETCHED WARNING LABEL
(624 - 646) ONLY
LASER ETCHED NAMEPLATE
5.87
2.890
2.860[73]
.13[3]
.19 KEY
1.38[35] LONG
.640
.610[16]
Ø8.50
[216]
[199]
Ø7.85
Ø4.500
4.497[114]
1.0000
.9995
[25]
.874
.874
1.250
1.248[32]
4 DRAIN HOLES
3 W/ PLUGS
(EACH END)
.38-16 UNC-3B
.88 DEEP
RH THREADS
6X Ø .41[10]
4.50[114]
5.50[140]
6.50[165]
.50[13]
3.50
[89]
4X
3/8-16 UNC
ON Ø5.88 B.C.
[149]
Ø7.85
[199]
TOP OF NAMEPLATE
2.00
[51]
7.40
[180]
45°
45°
8.40
[213]
4.5 +.00 -.06[114]
3.75[95]
3.75[95]
5.54
4.31[109]
8.63[219]
LEAD HOLE
3/4 NPT
SNAP RING
BRG. RETAINER
LIP SEAL
(EA. END)
.177±.020
(EA. END)
6206
AXIAL FACE SEAL
(EA. END)
FRONT END DETAIL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD DIM TO AXIAL SEAL LOCATION
REV: F
VERSION: 06
REVISED: 08:57:16 07/28/2026
TDR: 000001276312
MODEL NO. 36LYR563
REF: -
BY: USALMAZ
B
BALDOR
HORZ 182-4JM TEFC M WD11/12
36LYR563

CD0005





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS